

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Original) A method of scanning an object including the steps of:  
moving a first scan line relative to the object in a top to bottom scan direction;  
indexing a plurality of cross linear samplings in a forward sequential order;  
moving a second scanline relative to the object in a bottom to top scan direction;  
and  
indexing a plurality of cross linear samplings in a reverse sequential order.
2. (Original) The method of scanning an image of claim 1 wherein the object further comprises an image bearing media.
3. (Original) A method of scanning image bearing media with an optical scanning device including the steps of:  
scanning a first image bearing media in a top to bottom scan direction;  
indexing a plurality of cross linear samplings in a forward sequential order;  
scanning a second image bearing media in a bottom to top scan direction; and  
indexing a plurality of cross linear samplings in a reverse sequential order.
4. (Original) The method of scanning image bearing media of claim 3 including the steps of:  
feeding the first image bearing media from an automatic document feeding device to the scanning device; and  
feeding the second image bearing media from the automatic document feeding device to the scanning device.
5. (Original) A method of scanning image bearing media with a flatbed optical scanning device including the steps of:  
feeding a first image bearing media from an automatic document feeding device to a flatbed scanning device;

scanning the first image bearing media in a top to bottom scan direction;  
indexing a plurality of cross linear samplings in a forward sequential order;  
feeding a second image bearing media from the automatic document feeding device to the scanning device;  
scanning the second image bearing media in a bottom to top scan direction; and  
indexing a plurality of cross linear samplings in a reverse sequential order.

6. (Original) The method of scanning image bearing media of claim 5 including the step of sensing a carriage assembly travel direction.

7. (Original) The method of scanning image bearing media of claim 5 including the step of sensing a carriage assembly travel limit.

8. (Original) An optical scanning device for producing machine-readable data representative of an object comprising:

a scanner controller;

a transport assembly connected to the scanner controller for moving a scanline relative to the object in a top to bottom scan direction followed by moving the scanline relative to the object in a bottom to top scan direction;

an imaging assembly connected to the scanner controller and operable in successive sampling intervals for generating a plurality of cross linear samplings image data representative of the object;

an automatic document feeder connected to the scanner controller and operable in response to the scanner controller;

a processing device responsive to a scan direction travel limit for selectively indexing a plurality of cross linear samplings in a forward sequential order; and

a processing device responsive to a scan direction travel limit for selectively indexing a plurality of cross linear samplings in a reverse sequential order.